

Between Team 5  
And CS499

## APPLICATION DEVELOPMENT

This project agreement describes the understanding Team [x] and CS499 have concerning infrastructure development and installation, initial data setup and migration, customization, deployment, and support of application, or add-on features for a Smart Home System.

This signed agreement hereby authorizes work to begin on the project based on the negotiated start date, and will remain in effect until the product is presented.

## TECHNICAL SPECIFICATIONS PRIMARY DELIVERABLE

### APPLICATION DELIVERABLES

Overall application purpose:

To include:

#### **Deliverable Overview: (Appendix A)**

- The application screens below list in detail everything that is planned to do and the Project timeline explains estimated completion of parts.

#### **Application Screens: (Appendix B)**

- dashboard page
  - contains a floor layout plan
    - indicators and states for devices (ex. lights)
  - thermostat
    - shows internal/external temperature
    - set temperature on dashboard for high/low temps
  - menu bar
- stats page
  - showcases 1 month at a time
    - shows estimated usage (ex. dotted lines)
  - usage of power and water via a graph
  - shows estimated usage of the month broken down per day
  - show totals at the bottom for the whole month
    - total water usage and estimated monthly cost
    - total electricity usage and estimated monthly cost
- state change page
  - shows real time activation of sensors
  - buttons/switches to change states of devices
  - shows a list of all devices and parameters
- localization of application language to japanese
- air quality sensors

## PROJECT TIMELINE

Project Timeline Milestones (Proposed)	Estimated Start Date	Estimated Completion Date
Create Database ERD Diagrams		9/15/2019
Create Database in PostgreSQL DB		9/21/2019
Create mock data generators		9/25/2019
Create data api		10/18/2019
Create front end ui		11/22/2019

**Note:** Any change in scope including additional deliverable components, and/or other requirements will be re-scoped and submitted as an addendum or new agreement.

## STRUCTURE AND OVERSIGHT

### STATUS REPORTING

- Will report to client (Mr. Langston) on estimated completion date to verify progress of the application.

## TERMINATION OR REVISIONS

- A.** Modifications will be reflected by signed addenda to this document.
- B.** This document may be modified only in writing signed by all parties.

This project agreement becomes effective on date of Business Owner signature.

### BUSINESS OWNER

By \_\_\_\_\_

Date \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

### TEAM [X]

By \_\_\_\_\_

Date \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

By \_\_\_\_\_

Date \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

By \_\_\_\_\_

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Title \_\_\_\_\_

By \_\_\_\_\_

Date \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

## APPENDIX A

### APPLICATION DESIGN

Application design details are found in the following documents:

## APPENDIX B

### APPLICATION SCREENS

Application screen wireframes are found in the following documents: